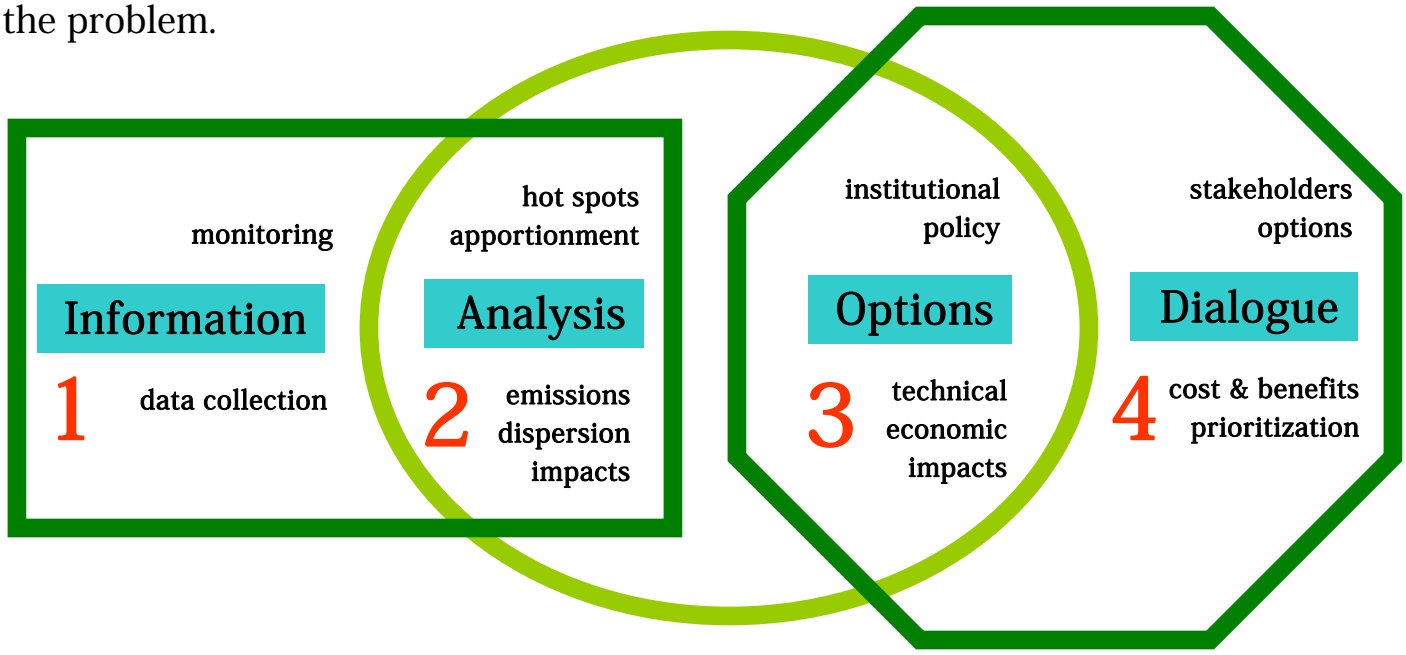
Simple Interactive Model (SIM-air)
For Better Air Quality

Making informed Air Quality Management Decisions

Urban air pollution is an increasing problem not just in megacities but also in secondary cities, Key stakeholders involved in managing the vision for effective AQM lack the tools and knowledge base to implement an analytical approach to define and solve the problem.

SIM-air Analytical tool:

- simplifies analysis/implementation. **SIMPLER**
- analyses over 100 parameters. **EXTENSIVE**
- extremely affordable. The tools are **FREE**
- delivers credible and usable results. **FAST**



An Integrated Analytical Approach

SIM-air is a simple user-friendly tool in MS Excel that enables stakeholders to apply an integrated analytical approach to AQM with data that is easily accessible and provides a framework to develop a systematic knowledge base.

The main objective of SIM-air is to **use the best available information to arrive at estimates of key parameters** (e.g. emissions from various sources) and simulate the interactions between emissions, dispersion, impacts, and management options in an environmental and economic context.

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Working Paper Titles

2008

01. Creating GIS Road Maps for Urban Centers
02. Four Simple Equations for Vehicular Emissions Inventory
03. Informed Decision Support for AQM in Developing Cities
04. Simple & Interactive Tools for Air Pollution Analysis
05. Urban Air Pollution Analysis in Ulaanbaatar, Mongolia
06. Estimating Health Impacts of Urban Air Pollution
07. Estimating Road Dust Emissions: Methods & Parameters
08. Co-Benefits: Management Options for Local Pollution & GHG Emission Control
09. Air Pollution & Co-Benefits Analysis for Hyderabad, India
10. What is Particulate Matter: Composition & Science
11. Urban Transport in India: Not so Fast for Nano Car
12. DIESEL Program in Bangkok - Fuel for the Last Mile
13. VAPIS: Vehicular Air Pollution Information System
14. An "Air Quality Management" Action Plan for Hanoi, Vietnam

2009

15. A Review of the impact of Biofuels on Local, Regional, and Global Air Quality
16. Urban Particulate Pollution Source Apportionment (Part 1) – Methodology
17. Ten Frequently Asked Questions About Particulate Matter
18. Indicative Impacts of Vehicular Idling on Air Emissions
19. A Review of Air Pollution from Transport Sector in China
20. Particulate Pollution in Asia (Part 1) - Modeling & Health Impacts
21. Impact Analysis of Brick Kilns on the Air Quality in Dhaka, Bangladesh
22. Air Quality Management in Delhi, India: Then, Now, & Next
23. Urban Particulate Pollution Source Apportionment (Part 2) - Results & Policy
24. Motorized Passenger Travel in Urban India - Emissions & Co-Benefits Analysis
25. Photochemistry of Air Pollution in Delhi, India: A Monitoring Based Analysis
26. Role of Air Pollution Modeling in Policy Dialogue
27. Particulate Matter (PM) Pollution in India in 2007
28. Measuring Autorickshaw Emissions to Inform Air Quality Policy
29. Monitoring & Mapping Urban Air Pollution: One Day in Delhi, India
30. Simplified Atmospheric Modeling System (ATMoS-4.0) for SIM-air Tool

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2010

31. Role of Meteorology on Air Pollution: A 20 Year Urban Analysis
32. Estimated Air Pollution and Health Benefits of Metro System in Delhi
33. Just Emission Factors: Part 1 – Vehicles
34. How to Disseminate Information & Improve Public Awareness on Air Pollution?
35. Electronic Road Pricing: Experience & Lessons from Singapore
36. Air Pollution & Control in Delhi, India for the Commonwealth Games in 2010
37. Air Pollution Emissions from Motorized Travel in Urban Asia: A 20 City Analysis

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